

gBat

NH 1500V DC

fuse links

NH gBat



NH1
XL

NH2
XL

NH3
L

NH3
L

BOLTED BLADE
WITH STRIKER

PROTECTING THE WORLD

Range

NH1 XL
RATED VOLTAGE 1500V DC
RATED CURRENT 63A...160A
BREAKING CAPACITY 100kA



I_n (A)	REFERENCE	PACKING Uni /BOX
63	368235	1/18
80	368240	1/18
100	368245	1/18
125	368250	1/18
160	368255	1/18

NH2 XL
RATED VOLTAGE 1500V DC
RATED CURRENT 200A 250A
BREAKING CAPACITY 100kA



I_n (A)	REFERENCE	PACKING Uni /BOX
200	368350	1/10
250	368360	1/10

Range



RATED VOLTAGE
1500V DC

RATED CURRENT
315A...400A

BREAKING CAPACITY
100kA

I_n (A)	REFERENCE	PACKING Uni /BOX
315	368445	1/10
355	368450	1/10
400	368455	1/10



BOLTED BLADE
WITH STRIKER

RATED VOLTAGE
1500V DC

RATED CURRENT
160A...500A

BREAKING CAPACITY
50kA

I_n (A)	REFERENCE	PACKING Uni /BOX
160	368420P	1/10
200	368425P	1/10
250	368435P	1/10
315	368445P	1/10
355	368450P	1/10
400	368455P	1/10
450	368463P	1/10
500	368465P	1/10

Technical data

Rated voltage	1500V DC L/R ≤ 3ms
Rated current	63A...400A
Rated breaking capacity	100kA 50kA (NH3 L bolted blade)
Utilization category	gBat
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Materials

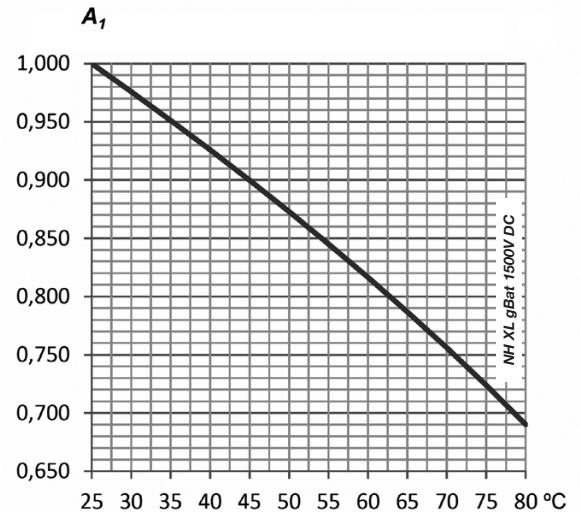
Body	Ceramics
Contact blades	Copper or brass (silver plated)
Plates	Aluminium
Screws	Zinc plated steel

Standards

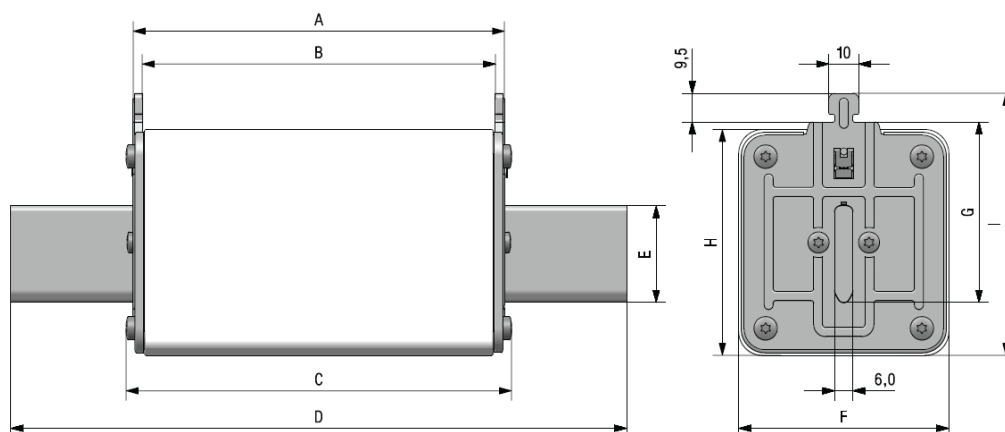
IEC/EN 60269-1
IEC 60269-7 (draft)
RoHS Compliant



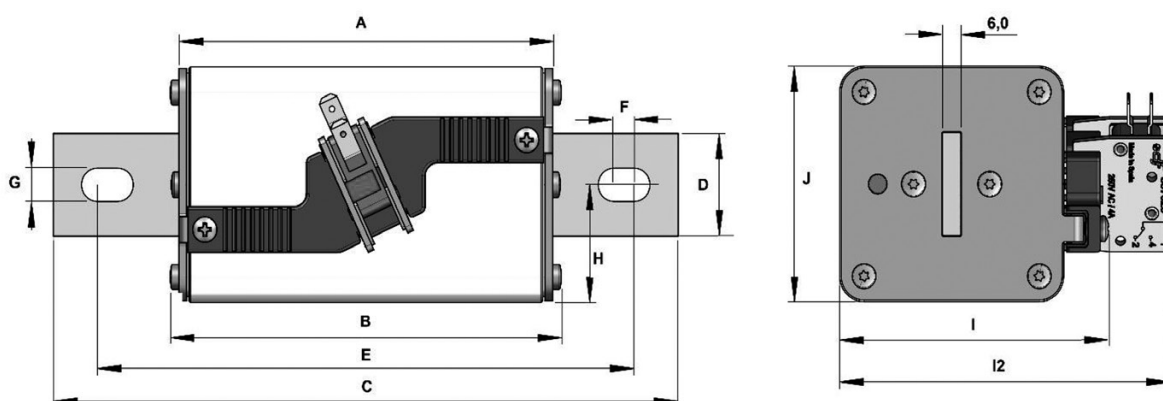
Ambient temperature derating factor



Dimensions



	A	B	C	D	E	F	G	H	I	Weight
NH1 XL	126	120	129	191	20	39	40	52,5	64,5	650 gr
NH2 XL	122,6	117,6	126,7	205	25	53	48	60,5	72	990 gr
NH3 L	123,6	117,6	128,3	205	32	70	60	75	87	1,65 kg



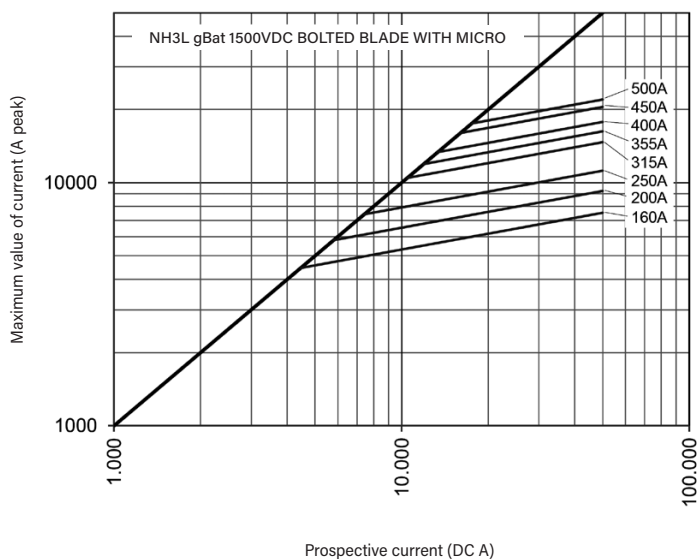
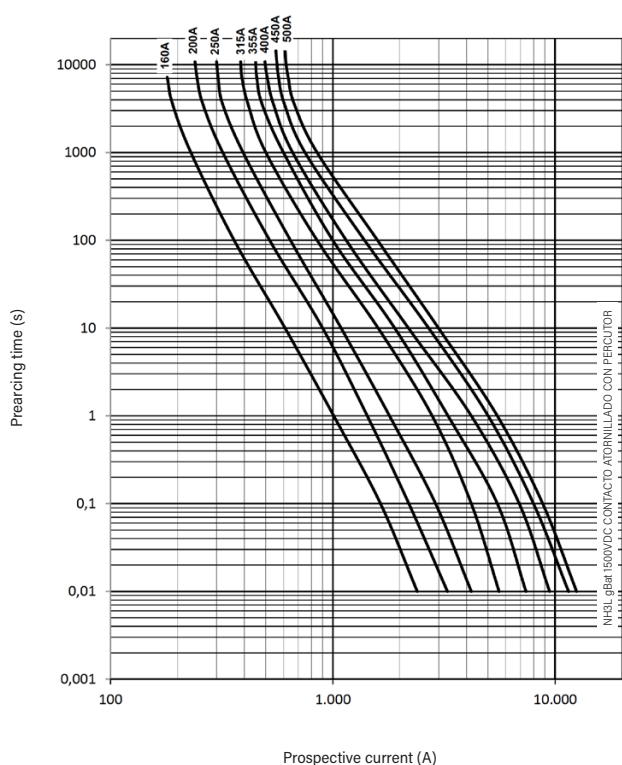
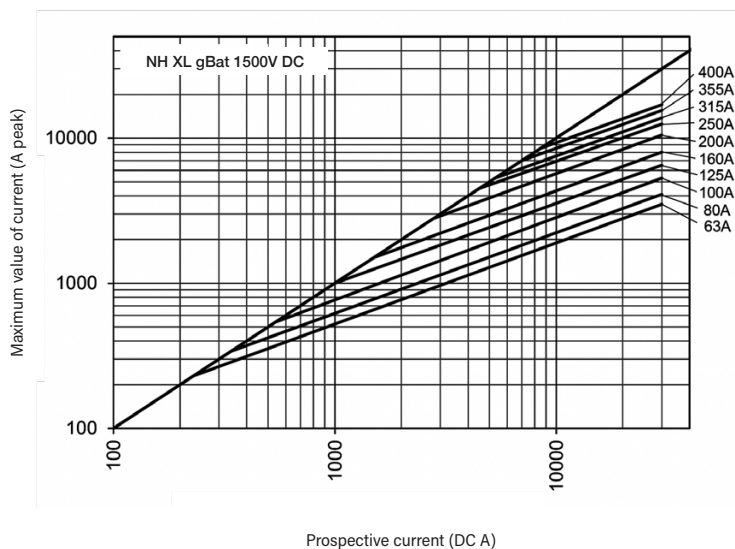
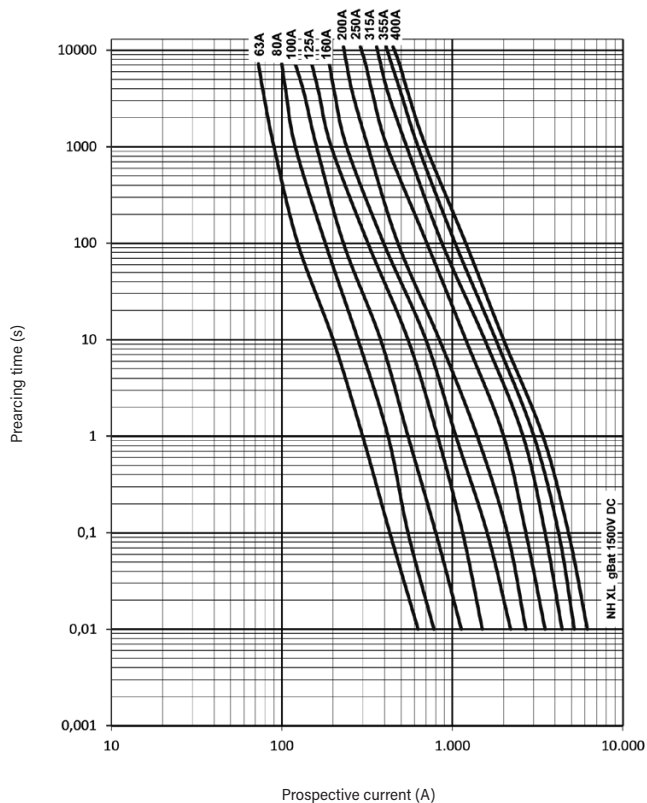
NH3 L
BOLTED BLADE
WITH STRIKER

	A	B	C	D	E	F	G	H	I	I2	J
	122	127,7	205	32	176	6,5	10,5	36,5	88	108	73,5

Weight	1,86kg
Recommended torque for connection screws (M10)	30...35Nm
Minimum recommended distance between fuse links	15mm

t-I characteristics

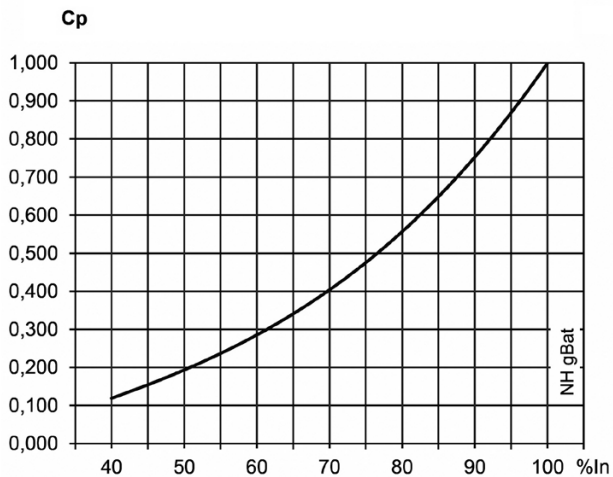
Cut-off characteristics

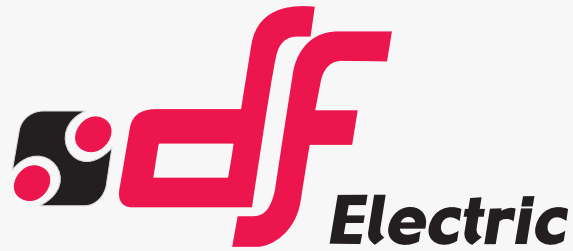


Power dissipation

SIZE	RATED CURRENT (A)	POWER LOSS 0,8 · I _n (W)	POWER LOSS I _n (W)	PREARcing I ² _t (A ² s)	OPERATING I ² _t at U _n (A ² s)
NH1 XL	63	10,8	19	1160	2460
	80	14,2	25	1760	3720
	100	14,8	26	3970	8380
	125	17,1	30	7070	14900
	160	21,7	38	13360	28180
NH2 XL	200	25,6	45	24850	52360
	250	29,6	52	42000	88500
NH3 L	315	34,8	61	114000	172080
	355	38,8	68	159230	240350
	400	42,8	75	212000	320000
NH3 L BOLTED BLADE WITH STRIKER	160	14	36	17800	40700
	200	16	41	33200	75600
	250	18,8	48	59000	134500
	315	19,5	50	132700	302600
	355	22	56	180600	411800
	400	25	64	235900	537900
	450	26,5	66	361300	823800
	500	29,5	75	446000	1017000

Correction factor for power loss





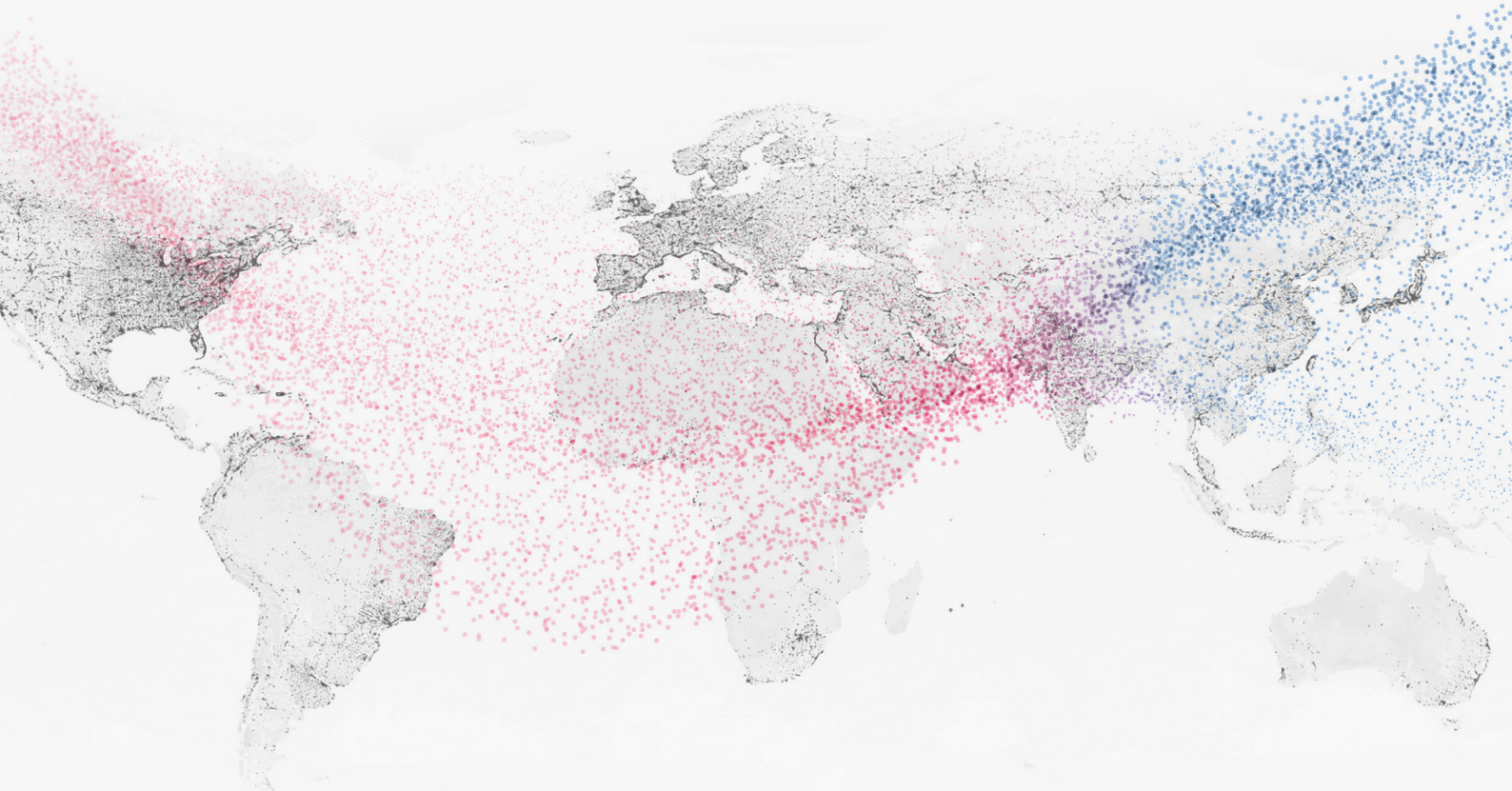
PROTECTING THE WORLD



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The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



To prevent electrical hazards, carry out the installation without voltage.



Safety notice
 Please capture the following QR code and read our safety notice carefully before installing our products.



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